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Indiana Chapter

DECEMBER 1959

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AMA CHEWER STAFF

EDITOR	Ben Marcel 1130 Birnamwoods Trail VI 6-5191	K9IUH
PUBLISHER	Pat Husk 2223 East 74th St.	K9EUQ CL 3-2220
MANAGER	Alvey Pittman R. R. #14, Box 804	W9JJC TR 8-8331
REPORTERS	L. Bannon W9ZTD B. Brouse K9JSF R. Bundy W9MEK R. Caskey W9DNQ	R. Osterhaus W9PSE C. Gould W9AQQ F. Rufner W9OSH H. Wolfia K9LZJ
PHOTOGRAPHER	Frank Fitch	W9EJW
TECHNICAL ADVISORS	Cliff Singer D. McVickers	W9SWD W9JZV
COVER STORY	Ron Williams	W9JVF

Ama-Chewer is published monthly by and for I.R.C. and all Amateurs in this area. Non-Members of I.R.C. may subscribe at the rate of \$1.00 per year.

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Ham-Ads (5 line limit) are free to members and subscribers. Others may use this facility at the rate of 50 cents per ad.

Ama-Chewer welcomes the forwarding of information on coming events of other clubs in the area for publication in the program section.

PROGRAM SCHEDULE

December 18th	Christmas
December 25th	MERRY CHRISTMAS
January 8th	Regular Business Meeting and the Installation of New Officers
January 22nd	Mr. Jerry Todd, W9ATS, General Manager and Chief Engineer of the Cornell Dubilier Indpls. Plant will present the "TOROID", its theory, manufacture and application
February 12th	Regular Business Meeting
February 26th	SPACE SPUTNIKS and YOU by Mr. Bob Kryter---In other words "Come Early to be Sure of Getting a Seat!" Mark this date for another I.R.C. Scoop.

* * * * *

PROGRAM REVIEW OF NOVEMBER 27TH MEETING

The practical demonstration of oscillographs was put on by Norm Reddick of the Linde Co., Speedway Laboratories. He showed the group a Techtronic Dual beam oscilloscope (approx. \$1500) which has two separate electron guns and is almost the same as two scopes in one. Mr. Reddick pointed out that during the early development of scope tubes someone had the theory there was an invisible ray coming from the cathode that caused the tube to be fluorescent, thus the name "Cathode Ray Tube."

The Oscilloscope is a rather new instrument to electronics with early development dating back to 1910, but in 1931 Allen B. Dumont developed and made practical what we are now accustomed to in the present day scope. Dumont prefers to call them oscillographs as this is what they actually do present a graphic picture of electrical quantities.

The uses of the scope are varied and cover, voltage, current, frequency, wave form analysis, and phase angle measurements. The common Lissagous pattern of frequency measurements were shown and a general discussion of modulation monitoring using both envelope and trapezoidal patterns. Alvey Pittman assisted Mr. Reddick in presenting different wave forms in a DC power supply showing the ripple voltage with and without condenser filters, etc.

The program concluded with various questions and answers and some timely comments from Ama-Chewer technical editors, Doyal McVicker and Cliff Singer.

OUR COVER

'Twas the night before Christmas and all over the scope, Not a signal was stirring in spite of my hope. The antenna was strung from the towers with care, In hopes that some DX soon would be there.

The kids were all snuggled deep in their beds, As I wrote up the log from the morning skeds. Ma with her TV and I in the shack, Were nibbling around on a late evening snack.

When out of the speaker there rose such a clatter, I flipped on the filter to see what was the matter. The tuner was adjusted as quick as a flash, So I could better pick out the dot from the dash.

The noise on a null at a near perfect low, Gave the signal a sharpness like bells in a row. When what to my wondering ears did I hear, But KC4 strong, loud and clear.

With his electronic bug so lively and quick, I knew in a moment it wasn't a trick. More rapid than eagles his signals they came, As he alerted the gang, calling all by name.

DX-Chicago-Dallas and Fort Wayne, California-Nevada-Rhode Island and Maine. To rigs in the basement and rigs in the hall, Now standby-standby, standby all.

As dry leaves that before the wild hurricane fly, Came the dots and the dashes from the southern sky. While up to the north these signals I knew, Were word of the departure of St. Nick and his crew.

Then came a signal full of power, no spoof, It near bent the antenna clean off of my roof. Australia was calling the whole world around St. Nick had just passed them, still north bound.

I imagined him in fur from his head to his foot, And the wrapped gear in his pack protected from soot. As I wished that the loot he had flung on his back, Contained some new gear for my old AM shack.

Florida broke in with a voice gay and merry,
Rudolphs nose was lit like he had been in the sherry.
And that after making a stop, St. Nick had to go,
With red nose in front and the sleigh in tow.

I suddenly bit on my pipe, with my teeth,
For I thought I saw him beyond the window wreath.
Sure enough it was him and his little round belly,
That shook when he laughed like a bowl full of jelly.

Into the shack he came, a right jolly old elf,
Explaining his mobile was dead, beyond fixing himself.
So I turned to the bench some ham magic to spread,
While the old boy sat down to check out his sked.

I spoke not a word but went on with my work,
Till the old boys rig really started to perk.
And after tuning it up, till it was right on the nose,
He took his rig with a nod and up the chimney he rose.

The Christmas gear he had left, caused me to whistle,
As away he flew like the down of a thistle.
But I copied his mobile as he drove out of sight,
Merry Christmas to all, 73 and goodnight.
* * * * *

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OF YOU, AND MAY THE NEW YEAR BRING HEALTH AND HAPPINESS
WITH EACH PASSING DAY.

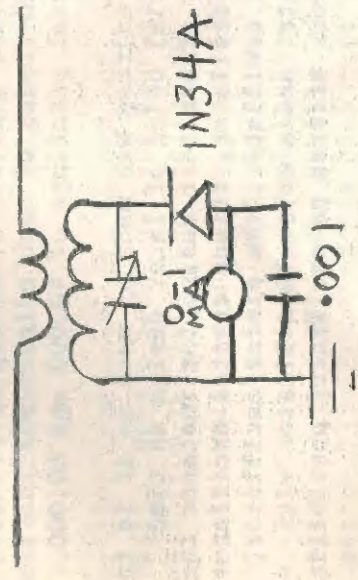
THE AMA-CHEWER STAFF
* * * * *
Al Larson, W9SRT and Charles Phippen, W9JPF chose a
sneaky way of getting off work and went to the hospital.
They're both due out December 12th. After all you can't
stretch a good thing too far.
* * * * *

Watch for K9JKX, Clarence Walls who is operating on 6M
mobile with his new Communicator III.
* * * * *

That new TA 33 Mosley beam at the QTH of Bob Frye should
make operations on 20, 15 and 10 really hot.
* * * * *

Eddie Daffin, K9CTP is putting out a terrific signal on
SSB with his new HT-37 and hearing everyone on the new
SX101A. (Oh me it must be nice. ED)
* * * * *

This month we will add a tuned circuit to our simple
field strength meter, as shown in the diagram.



The main items that we have added are the tuning coil and the tuning capacitor. The coil should be of the proper size to tune the range desired with a variable capacitor having a maximum capacity of 100 mmfd. If you use the B & W series of low power plug in transmitting coils type JEL you may select the proper coil to cover the range desired and materially reduce the problems of calibration.

This unit may be calibrated to check approximate frequency, relative signal strength, and the presence and relative frequency of parasitics or harmonics in transmitters.

W9JZV
* * * * *

GRAHAM'S SPECIAL FOR THE MONTH

Halllicrafter SX 101 Mark III Receiver	VERY CLEAN-----	\$299.00
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Gonset G-28 50 Watt 10 Meter Station Complete		
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Johnson Viking I Transmitter		
Very Good Condition-----		\$ 79.00
Heath DX-35 Transmitter		
Very Good Condition-----		\$ 39.00

The American Radio League had published the seventeenth addition of the "Radio Amateur's Handbook" and it was selling for \$1.00. Approximately 607,000 copies had been printed up to December 1939. Originally the first edition in November of 1926 had 5,000 copies printed. From then on 10,000 copies of each edition was the least printed, with several printings of 40,000 and 60,000.

The seventeenth edition was made up much as it is today with the material being of later design as time marches on. Under transmitter design for instance the Electron coupled oscillator, triode crystal oscillator, tetrode or pentode oscillator, the pierce oscillator, as well as the tritet and a crystal oscillator with gridplate tuning were offered as oscillator possibilities.

In modulation the following were shown-transformer coupled plate modulation, plate and screen modulation of a pentode, choke coupled or Heising modulation (the old standby), grid bias modulation, suppressor grid modulation and cathode modulation.

In the receiver construction section it is interesting to note that the circuits were fairly simple with plug in coils and not more than six tubes being used. Nope, no monkey chatter receivers were shown.

In the transmitter section a 6L6 into a 807 for low power with a medium power rig using a 6L6 into a RK47 while a 750 watt final was shown using a pair of 100TH's in Push Pull.

In power supplies the 80 and 83 were used in low power rigs and the ever popular 866 for higher power.

For a typical 10 watt speech amplifier a 6J7 into a 6C5 into PP 6C5's into PP 2A3's. For higher powered modulators the 2A3's became 809's, TZ40's or ZB120's or 810's.

The 1959 Hobby Show gave the IRC an opportunity to present a top flight club project with their exhibit of "Modern Amateur Radio."

The steady stream of visitors and the many discussions and explanations on ham activities, licensing, operation, our club etc. indicated the real interest of the general public.

Over 1200 brochures were handed out, describing IRC and Ham radio. We are still getting Ama-Chewer applications in the mail from the form that was included on the brochure.

The total value of the exhibit was \$2600 which was covered by insurance. The total cost to us was \$51.72, however, we had a flurry of selling advance tickets for a \$10.00 profit and sold the map used in the exhibit, which left us with a net cost of \$35.22 out of the club bill.

Grahams gave us the SX101 and HT32 and Vansickle sent the receiver and xmitter for the low power rig. Indianapolis Office Supply came through with the desk, swivel chair and table, while Radio Distributing loaned us a rug. (How doggy can you get.)

Bob Osterhaus brought his automatic slide projector and our President stole a telephone and taperecorder from Ind. Bell Telephone. (The gear was officially loaned. Ed.) Incidentally the use of the canned QSO's served its purpose very well as the noise attracted the attention of folks passing the booth.

ARRL came through with reprints and books for display and Bert Brouse furnished a table for the slide projector. The IRC sign was a master piece of Jerry Lucas, with that eye catching paint coming from D.J. Angus. The palms were hauled to and from the show by D.J. McVicker who didn't lose a single leaf, which is a feat in itself.

The ham register shows that 142 hams stopped to pass the time of day and look over the gear on display. Another of Frank Fitch's excellent photos is printed on the next page for the benefit of those who didn't get out to the show.

For those who want to know just how you glue up a map the size of a whole wall, check in with the old pro Bob Osterhaus.

Another good job from all the gang, which has been a trademark of IRC for a long time now.



It wasn't a case of Republicans or Democrats watching the results come in, but the voting at the election of IRC was spilted last Friday as we set up the team for 1960. After the completion of the routine business the 4 slates of possible Officers were posted & we started out to elect a new President. After a run off vote due to a tie, we are able to announce that the gent who will lead the IRC during the coming year is Alvey Pittman, W9JJC. (Must be a new member, as I don't recall the name Ed.)

Next we turned our attention to pickin ourselves a Vice-President, which turned out to be Bob Osterhous-W9PSE (This is the guy that kept the log last year, and ran for a new office because he couldn't write as fast as the Officers talked Ed.)

The next office up was that of Secretary, so the gang looked about for someone who could write and voted in Bert Brouse, K9JSF. (Someone goofed as we have the straight info that Bert signed his 1960 membership card with an X Ed.)

Old 50/50 Husk didn't have an opponent so the gang swept him into office again as the club Treasurer. So for the record Pat Husk-K9EUQ is the Treasurer for 1960. (Having kept the books and the record of our pennies for several years nobody would run the risk of trying to learn the Husk system of accounts Ed.)

Next we needed someone to give the clubs gear the best of care and to lead the gang at the next Field Day, so after checking over the field the members selected Doyal McVicker, W9JZV as Chief Operator. (If anyone will volunteer it is a sure bet that you can do us all a favor & check Mac on the correct way to brew coffee before he gives us all a bad case of Friday nitemares Ed.)

They had to find something for the out going Pres. to do so Ben Marcel-K9IUH was elected a Director. (How can this guy be a director when he doesn't know which way is up Ed)

Last but not least, the staff was rounded out by the election of another Director in the person of Bob Caskey, W9DNQ. (This guy has had so many ham radio jobs he makes the one-armed paperhanger look like slow motion. Ed.)

Well there they are, seven men strong & true. Next month after they are installed, we will get off their backs and give them the write up they deserve. (I like my job. Ed.)

Congratulations & best Wishes

Old Father Time sure must have been in a hurry during 1959 as it seems that the year has more than sped by. I think that the club as a whole had a pretty good year. We didn't sweep the Field Day awards but we sure had a lot of fund, and did come home with the 6M bacon. The auction as usual was a big sucess, even if I did come home with some odds and ends that are still sitting on the shelf where I first put them.

The Hobby Show was a real challenge to the club and every one came through in fine fashion. I might add that there has been more than one compliment on the caliber of men who represented the Club, so step up and take a bow fellas.

As for myself it has been real fund to be President and it has made it possible for me to learn just how the other half lives. The Officers have been just great and have made the job a pleasure. So for the last time at the Presidents column, thanks a million and I will be seeing you around.

Merry Christmas to You and Yours
73 Ben

Just in case you have been down to meetings and didn't catch the name or call of our newer members we are listing them below. To them, welcome to the fold and we hope that you have found IRC all that you hoped it would be and have made many new friends, and have found the helping hands that make the hobby fun.

- | | |
|------------------|---------|
| William Sinclair | Km9QXR |
| Max Galloway | K90XA |
| Mike Harrison | Km9QXQ |
| Al Black | N/C |
| Ricky Hibbs | K9KSP |
| Bob Good | K9PPB |
| Larry Pittman | K9RZF |
| Joe Labraico | K900A |
| Frank Coffey | K9SJF |
| Stu Maxwell | K9SVA |
| Bob Derbyshire | K9LSW |
| John Merck | K3GIG/9 |
| Lee Easley | K9QDR |
| Fred Manning | W9VPN |
| Ed Ward | K9CRS |

Have you ever picked up a QST or CQ that was a year old or so and found something real interesting-a gadget you need-some info that you missed at first reading?? Try looking over the year end index of the December issues and you will be digging up the back issues for sure.

During the Hobby Show a boy about nine years old, who appeared to be all boy from head to toe, rushed up to the low powered rig on display, pointed to the key and said "I know what that is." It's a---its aa aa aa, oh, its one of those things they used in olden days!!!!

Lite the candles and bring on the cake! As the Tech Radio Club will be celebrating its 20th birthday on December 19th. A tip of the lid to the gang at Tech both past and present from all of us at IRC.

Something new is cookin around the IRC drafting table which will set off a new contest starting around February 1st. Can't give you the info now but it will cause many a XYL to set out another cup at snack time.

Ray Forbes W9HNS, Box Caskey W9DNQ, Fred Finehout ex W9CLO, Bob Annis ex W9CUD and Jerry Lucas W9APJ, gathered at the QTH of D.J. Angus W9CYQ, to see some movies that were taken back in the early thirties of club outings and during the conversations that followed some info on events that have been kept deep dark secrets for many years came to light. Despite the fact that he is involved in some of the tales, Caskey has promised to reveal all in the coming months in his 20 Years Ago write ups.

Towers have been going up all over the place. Bob Foote K9KGJ, just raised a 50 footer with the help of W9VPN and K9CRS. Out at the QTH of the old Fox, W9MNA a whole flock of QSO benders, namely K9CBY, W9MHP, K9GEE, K9PUI and K9JSF, showed up to raise a 80 foot job and install a 5 over 5.

Bro. Bert, K9JSF, has been giving a new HQ-180 a trial out at his QTH and as we go to press he claims he can't state his likes and dislikes, as compared to the 160.

Well it finally happened!!! We understand that our old buddy down on the south side of town had a little trouble picking the pieces of his coax lead out of the rungs of his tower. Pappy, W9MHP, let the stop on his rotor go sour and the other night he forgot which way was which, and when he ended up he had a dandy mess. W9MNA, K9CBY, K9KGJ, K9QHN & K9JSF responded to the alarm & now the signals flow forth again. (Did you guys fix the rotor while you were up there???? Ed.)

Al Larson, W9SRT had to make a short trip to the hospital but we understand that he took care of his trouble in apple pie order and is now home on the mend.

Charley, W9CGJ, who has been hittin the key since the days of spark gap has decided that there must be something to this SSB business and has been lookin around. Another convert???

Understand that Heath Co. is about to hit the market with a new hybrid phone patch kit and a transistorized power supply kit. Step up men, who will be first??

Anybody who has a son or daughter up at Purdue can pass traffic any night via the Indiana Fone Net and W9CLY.

Two new side-banders hit the air, when Don, K9BJF and Wally W9NCN fired up their new Ht 37's. Understand they can be heard on 40M most of the time.

Anybody for 160 meter operation? Berrine K9KLM, Ken K9LZM and Hank-K9LZJ, are trying to get something cookin away down there in the band, if interested give them a call.

Ron, K9JRF found a couple of 813's and is building a final for 75M. (Our reporter didn't say where you find these things ED.)

Don't forget to get your traffic reports into the SCM, as he can't read them out of a crystal ball.

W9LQ, Les DeVoe who has long been absent from ham radio, is back on the air with a Gonset G-50 and a halo. Welcome back Les, glad to hear you in there with the gang on 6.

As mentioned above, W9NCN is on the air SSB, which causes us to wonder what keeps the OM W9LWN from joining in on SSB ragchews???

If you have any spare fuses, you might bring them to the next meeting and present them to Pat, K9EUQ, as he is building a new power supply and we know his XYL would like to have a chance to use her electrical appliances after the testing is done.

A new Indianapolis station is on the air, in the person of Herb Clark, W9FKX with the QTH at 4850 E. 78th St. Herb was formerly heard from La Grange, Illinois.

Charlie Hilton is boosting up the SSB signal from his QTH with a new Collins 30 S 1 amplifier.

IRC IS YOUR CLUB, SUPPORT IT BY ATTENDING MEETINGS

Green Stamps may be on the way out but you can still get Brownie Points. IRC is starting a new project & contest. No KW's needed--No staying up all night--and you can still be top dog.

For every Eye Ball QSO--confirmed with a QSL at the visited shack you get one brownie point. Contest starts Jan 1st and ends March 31st. You'll get ideas too--More details later and at club meetings--Hurry Men--Clean up the shack --A Nice Prize to Top Dog.

WATCH YOU DECIMAL POINT

A large electrical Mfg. service man was recently in a local plant working on a galvanometer when he noticed the suspension ribbon (.002 x 1/64 x 2") needed replacing. He asked the maintenance man with him if he had one in the storeroom. Of course not the maintenance man said! The service man looked puzzled and asked, well where are they? You will have to see the president to get them the man replied. Not wanting to seem strange the service man waited to see the pres. and asked for the galvanometer suspensions. Oh! not again the pres. said. OK come with me, we will open the safe. SAFE exclaimed the service man! As the pres. opened the safe the man was curious and asked why they kept the suspensions in the safe. Well the pres. said if they cost \$750.00 for five they belong in the safe. \$750.00 the service man chuckled you are mistaken they are only \$1.50 ea. The pres. disagreed and went and got the PAID bill, 5 suspensions \$750.00. The serviceman showed the pres. the price list \$1.50 ea x 5 = \$7.50. (Someone sure slipped a decimal point.) The point is this was sure an expensive service call for the Mfg. as he had to return all of the \$750.00 except ofcourse the \$7.50 for the suspensions!

MERRY CHRISTMAS TO EACH AND EVERY ONE OF YOU AND MAY THE NEW YEAR BE A PROSPEROUS ONE AND DON'T FORGET TO PAY YOUR DUES EARLY.

OLD MONEY BAGS

K9EUQ

Al Larson was exposed to 6 meters via the IRC Gonney box and is now a regular with his own Communicator III. Looks like the CW band will suffer from that change.

FOR SALE: Viking Navigator, actual useage about 5 hrs., Tip-top Condition----- \$175.00

Hank Wolfla, K9LZJ
8333 Park Ave.
Indpls. 20, Ind.

WANTED: 1 1/4 meter Xmtr. and receiver or converter.
Lee Easley, K9QDR
4219 Guilford
AT 3-7494

S.S.B.

The second annual Indiana S.B. Net dinner was held on November 14th at the Fireside Inn here in Indpls. Most sections of the state were represented and there were three guests from out of state. After putting on the feed bag to the point of near suffocation the gang held a general VOX gabfest and covered such items as SSB, SSB and SSB.

A new local station to join the SSB ranks is Bob Hill, W9RSN with a new H.T. 37.

K9AOM, Bill Hickok of Speedway gave a S.S.B. demonstration for a group of hams which included, Frances-W9OSH, Mark- W9OSG, Marty-K9PDE, Dave-Kn9TCG, Steve-Kn9RMQ, Dave-Kn9PHP, Jim-Kn9OVH and Bill Jr.-K9PUI.

(Take note of the novice calls in the group you AM men and get your answer to why the new crop is going S.S.B. Ed.)

NEWS ITEM

Disaster struck Don Chesser, W4KVX Nov. 28th when fire totally destroyed his shop including all his printing and photographic and Ham equipment, with considerable damage to his house trailer. Don is the very popular editor of DX, a weekly paper on DX News. This misfortune could be a serious set back to Don who is one of the outstanding Hams in this area. The quality of his paper is evidenced by its circulation of over 2200, achieved in less than 2 years. Every Dx'er who knows Don feels deep concern over his loss and the Spirit of Ham Radio is already in evidence in his mail box.

Those of you who can could make no better expression of Christmas than by sending a contribution to Don Chesser, W4KVX, R.F.D. #1, Burlington, Kentucky.

IT SEEMS TO
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ON SIX



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